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CONFIDENTIAL*file destr. system;  
Air Fed Incinerator*

19 April 1961

## MEMORANDUM FOR THE RECORD

SUBJECT: Motor for Model II Incinerator for [ ]

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1. On 14 April [ ] called concerning our request for an electric motor for the Model II Air-Fed Incinerator that will work on either 380 volt, three phase, 50 cycle or 220 volt, one phase, 50 cycle. [ ] is presently fabricating two new bottoms for Model II Incinerators that will have a sprocket wheel extending for emergency power. One bottom will have a motor for 110 volt, single phase, 50/60 cycle, and the other bottom will have a motor for 220 volt, three phase, 50/60 cycle. The motor for 110 volt, single phase will also operate at 220 volt, single cycle. Therefore, there seems to be no problem in using the bottom employing the 110v/220v, single phase motor for [ ]. It should be noted that the incinerator itself will not be ready for shipment until Task ZZ has been processed and a standby gasoline engine has been purchased and thoroughly tested. It is the undersigned's opinion that at this stage of the development of Model II Incinerators we should not become overburdened with promises for production and delivery until we have the details of altitude, electric motors, and especially standby power worked out. This should include as thorough testing as possible. NOTE: Art - I promised [ ] that we would let them keep their Model II until all testing is over.

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2. [ ] has determined that for \$31.00 (\$120.00 total) extra an electric motor could be wired that would work only at 50 cycles but off 220 volt, single phase or off a line wired for 380 volts, three phase. A special adapter plug would be used for the 380 volt line in order that only single phase, 380 volt, current was received. The 50 cycle speed is 2900 rpm and at 220 volts, single phase, 9-10 amps is necessary for running. A 30 amp fusatron will be necessary to contain the starting surge. The 380 volt, single cycle, operation will only require six amps. The motors are rated at two h.p.

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*Model I Emergency Power approx 12 h.p.  
Model II " " " " 5 h.p.*

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